

Title (en)

METHOD FOR SELECTING A COLOR TRANSFORMATION

Title (de)

VERFAHREN ZUR AUSWAHL EINER FARBTRANSFORMATION

Title (fr)

PROCÉDÉ DE SÉLECTION D'UNE TRANSFORMATION DE COULEUR

Publication

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Application

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Priority

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- US 65731707 A 20070124

Abstract (en)

[origin: US2008174608A1] An output color profile, such as an ICC output profile, contains a look-up table to separate the color of a pixel, for example a CIELAB color, into a set of colorant values, for example CMYK colorants. In practice, most CMYK images have been separated using one of a limited set of standardized output profiles. The invention deals with the problem of guessing which one of these standardized output profiles has been used to separate a specific image. For this purpose the CMYK values of the image are analyzed. The analysis involves calculating a distance in the CMYK space between the CMYK values of an image, and the CMYK values produced by different output profiles. A profile is selected based on these distances, for example by selecting the profile yielding the shortest distance.

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